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## Polymerization

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## Propylene oligomerization

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## Transition metal acetylide

Transition metal acetylide catalysts for polymerization of alkynes. 3. Polymerization mechanism (Zhan, X. (169) 57)

*trans*-[RuCl<sub>2</sub>(NH<sub>3</sub>)<sub>4</sub>]<sup>+</sup>

Activity analysis of *trans*-[RuCl<sub>2</sub>(NH<sub>3</sub>)<sub>4</sub>]<sup>+</sup> incorporated into Nafion membrane for water oxidation catalyst (Shiroishi, H. (169) 269)

## Tricyclohexylphosphine

Olefin oligomerization by novel catalysts prepared by oxidative addition of carboxylic acids to nickel(0) precursors and modified by phosphine ancillary ligands and organoaluminum compounds (Carlini, C. (169) 79)

## Tricyclohexylphosphine

Selective propylene dimerization to 2,3-dimethylbutenes by homogeneous catalysts obtained from bis( $\alpha$ -nitroacetophenone)nickel(II), tricyclohexylphosphine and different organoaluminum compounds (Carlini, C. (169) 19)

## Trifluoroacetic acid

Olefin oligomerization by novel catalysts prepared by oxidative addition of carboxylic acids to nickel(0) precursors and modified by phosphine ancillary ligands and organoaluminum compounds (Carlini, C. (169) 79)

## Two-phase catalysis

Liquid–liquid two-phase cyclodimerization of 1,3-dienes by iron-nitrosyl dissolved in ionic liquids (Ligabue, R.A. (169) 11)

## Vanadium oxide

Characterization of La<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub> and V<sub>2</sub>O<sub>5</sub>/La<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub> catalysts and their activity for synthesis of 2,6-dimethylphenol (Reddy, B.M. (169) 207)

## Water oxidation

Activity analysis of *trans*-[RuCl<sub>2</sub>(NH<sub>3</sub>)<sub>4</sub>]<sup>+</sup> incorporated into Nafion membrane for water oxidation catalyst (Shiroishi, H. (169) 269)

## XPS

Effects of Al/Zr ratio on ethylene–propylene copolymerization with supported-zirconocene catalysts (Haag, M.C. (169) 275)

## Zeolites

Ship-in-bottle synthesis of Pt–Rh carbonyls in NaX and NaY: FTIR study (Brabec, L. (169) 127)

## Zirconium

Ethylene polymerization activity under practical conditions displayed by zirconium complexes having two phenoxy-imine chelate ligands (Matsukawa, N. (169) 99)